

Data and Information Report



Produced by: the Working Group, our D & I Team & Tiffany Smythe

(Data & Information Team: CT DEEP, NY DOS, NY DEC, TNC, NROC, CT & NY Sea Grant, NOAA)

Data and Information Report

Data & Information:

- Foundation for MSP
- Basis of learning, understanding, deciding, consensus
- From verbal to complex Geospatial data

Long Island Sound Marine Spatial Planning Initiative

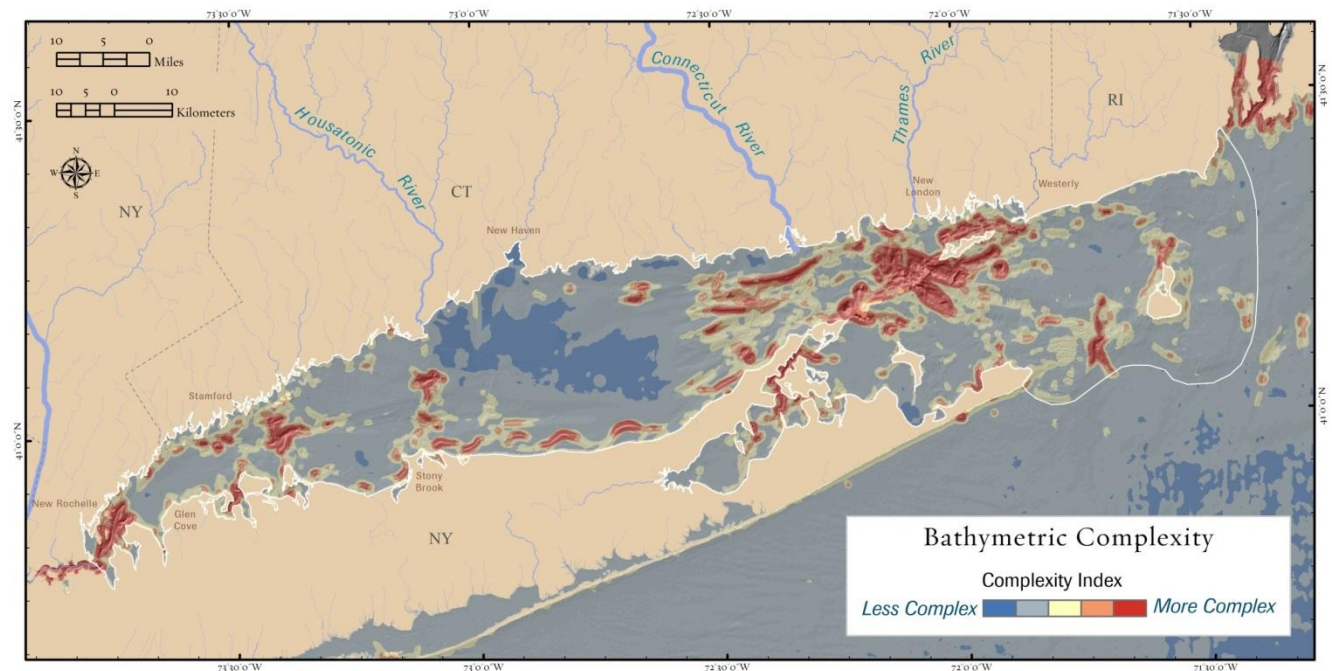
Prepared by the Connecticut-New York Bi-State
Marine Spatial Planning Working Group



Data and Information Report

“Geospatial data refers to the information found on a map that helps a map user see and understand a place.”

“Geospatial data and information are foundational to MSP because they can be used to create maps that can help improve planning and decision-making for marine areas.”



Data and Information Report

. . . at a Glance:

Data Inventory: what data is out there?

Data Portals: web-based storing, accessing & using data; how to approach?

Data Standards: ensuring quality & consistency: how to approach?

References, Tables and Figures



Data Inventory:

- **A separate excel file** – will send you
- **Report summarizes inventory:** methods, criteria, findings
- **507 data sets screened**, 361 included after criteria applied

Lets take a look! 😊



Data Portals:

- Examined options to meet data portal needs for LIS
- Looked at multiple examples (e.g. NE Data Portal)
- Considered key factors (e.g. cost, longevity)
- NY Geographic Information Gateway (Portal) emerged as opportunity
 - Now public
 - NYS committed to support it
 - Has focus on LIS
 - Cooperative development
 - Offer to use for LIS planning

The screenshot shows the website for Long Island Sound marine planning activities. The header includes the New York State logo and navigation links for Services, News, and Government. Below the header, the main content area is titled "LONG ISLAND SOUND" and "marine planning activities". It contains a paragraph of text about bi-state coordination and a map of Long Island Sound. To the right of the map is a button labeled "view SOUND DATA". Below the main content area is a section titled "STORIES about marine planning in Long Island Sound" which features two cards: "biology" (Restoring eelgrass habitat in the Sound) and "recreation" (Rec boating in the Sound). To the right of the stories is a section titled "additional RESOURCES" which lists various links and partners, including the Environmental Protection Agency (EPA) and the National Oceanic and Atmospheric Administration (NOAA).

NEW YORK STATE
Services News Government

NEW YORK STATE
Department of State

home | about | download | view | focus + | feedback

LONG ISLAND SOUND
marine planning activities

This section will provide a high-level overview of the marine planning activities occurring in Long Island Sound. This section will also highlight bi-state coordination between New York and Connecticut, as well as collaboration with many other federal, state, regional, and local partners. *Ilis vel ent magnat. Sedam ligitis mo tort, ne nobit eos santem restia duxtem quisquis alique dolest voluptibus.*

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view SOUND DATA

STORIES about marine planning in Long Island Sound

biology
Restoring eelgrass habitat in the Sound

recreation
Rec boating in the Sound

additional RESOURCES

- Legislation & Policy
- Publications
- State Partners
- Regional Partners
- ▼ **Federal Partners**
 - Environmental Protection Agency (EPA)
 - National Oceanic and Atmospheric Administration (NOAA)

Data Standards:

- What options make sense for LIS?
- Major data portals assessed
- Federal standards examined (Federal Geographic Data Committee)
- NY data standards recommended
 - best fit, most similar to others
 - supports NY Gateway use



Current Work: Data & Information Team

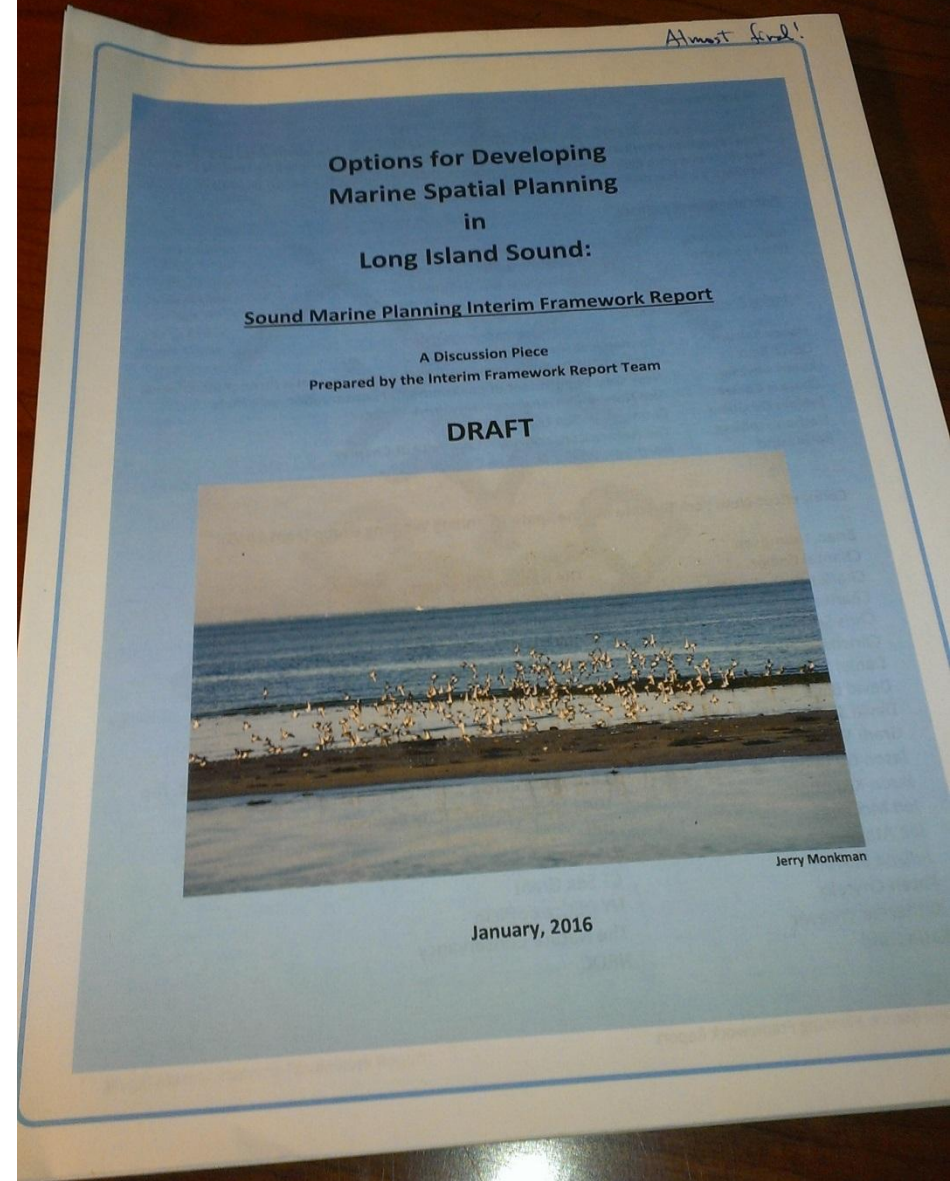
- New report is underway – due in early March
- Assessing the quality of the 361 datasets
- Developing options for improving data usability



Interim Framework Report

Produced by:
Working Group Subcommittee:
"Interim Framework Team"
& Tiffany Smythe

Interim Framework Report Team:
CT DEEP, NY DEC, TNC, NROC, CT Sea Grant



Interim Framework Report

What is it?

- **Set of options** for LIS MSP
- **Reference document** for LIS MSP (multiple elements)
- **Framework** for getting your arms around MSP and the Blue Plan
- **Interim**: may evolve, address added issues, useful as draft



Interim Framework Report

Origins and Purpose:

- Answer: “what do we mean by LIS MSP?”
- Produce: information document useful for LIS MSP
- Stay neutral
- Present ideas, options, not direction or prescription



Interim Framework Report

What does it contain?

- Exec Summary
- Overview
- Governance Context: existing institutions & authorities
- Bi-State Working Group
- MSP Elements
- Four Scenarios
- References & Appendices



Interim Framework Report

Overview & Governance Sections:

- Basics: purpose, what is MSP . . .
- Why LIS MSP? Case statement . . .
- Related plans (e.g. LISS, DMMP, Regional Ocean Plans)
- Basics on authority (e.g. Blue Plan, NYS)



Interim Framework Report

MSP Elements: Range of Options

- A. Plan Authority and Structure
- B. Scope & Scale
- C. Vision, Guiding Principles, Goals and Objectives
- D. Plan Preparation Process
- E. Plan Elements and Content
- F. Funding Mechanisms
- G. Plan Implementation, Monitoring & Evaluation



Interim Framework Report

Stakeholder Engagement: critical element of Plan Preparation Process

- Various stakeholder engagement options presented
- Options presented range from existing forums, a process facilitated by Blue Plan A/C to a formal Bi-State Stakeholder Advisory Council and Stakeholder Working Groups

FYI: Separate stakeholder project underway: report due in March

- Inventory of information, interviews, in-depth options

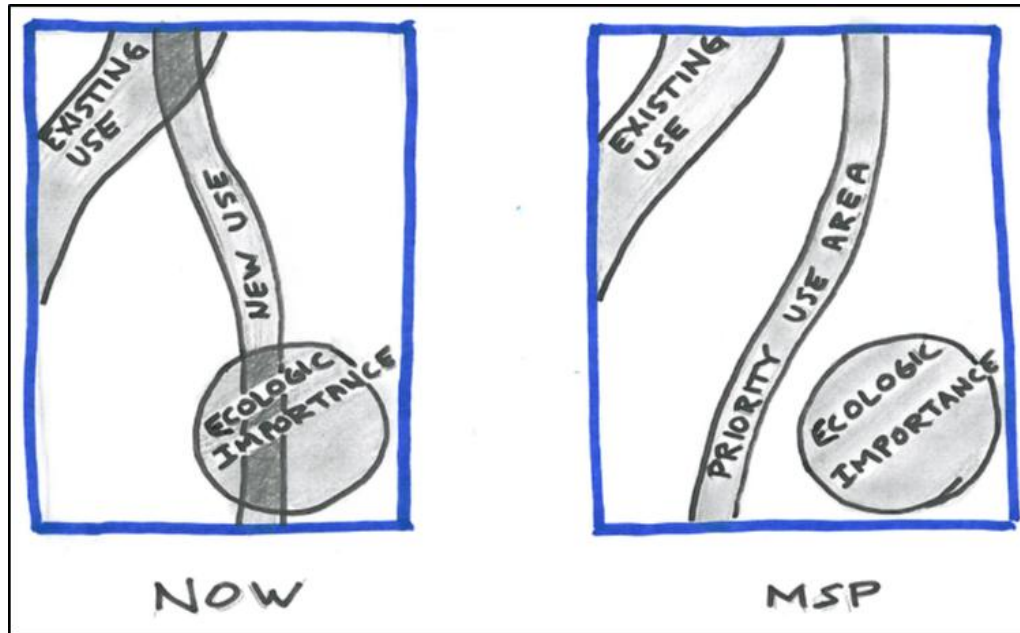


Interim Framework Report

Policy Options: critical element of Plan Elements and Content

Seven policy options discussed, e.g.

- Regulators encouraged to consult thematic resource & use maps when permitting projects,
- Important human use & resource areas subject to performance standards for new projects
- Preferred or priority use areas identified, etc.



Interim Framework Report

Four LIS MSP Scenarios – Putting Elements Together:

- Form 4 complete MSP scenarios
- Lego analogy
- Hypothetical options
- Blue Plan its own blend of elements
- Summary Table

	Scenario 1.	Scenario 2.	Scenario 3.	Scenario 4.
Plan Structure	The Two-State Solution Each state adopts a marine spatial plan or uses its coastal management program for its own state waters in US. This assumes no Blue Plan or bi-state coordination. (Table 1 Option 2.)	The "Light" Blue Plan approach Each state either formally adopts or informally uses a separate marine spatial plan or programmatic approach within their own states through their own legal and/or administrative processes, but the plan or approach they adopt or use in each state contains a high level of similarity, consistency and ability to apply Sound-wide and address many key management issues. (Table 1 Option 3). *Assumes Blue Plan but there is minimal funding, resources, and support available.	The "Thorough" Blue Plan approach Each state either formally adopts or informally uses a separate marine spatial plan or programmatic approach within their own states through their own legal and/or administrative processes, but the plan or approach they adopt or use in each state contains a high level of similarity, consistency and ability to apply Sound-wide and address many key management issues. (Table 1 Option 3). *Assumes Blue Plan is supported with ample funding and resources.	One Comprehensive Plan The States incorporate into their Coastal Management Programs the same bi-state marine spatial plan or if the necessary authorizing legislation was passed in both CT and NY, the same marine spatial plan would be adopted by both States at the same time and developed and implemented by a bi-state body granted authority by both states. Although highly unlikely politically, this option generally represents the ideal of a bi-state approach. (Table 1 Option 4).
Scope and Scale	Minimal area covered (landward boundary set approx. 1,000 ft. offshore). (Table 2, Option 1)	Blue Plan boundaries (Planning: MHW; Management: landward boundary set at the 10-ft. bathymetric contour). (Table 2, Option 2)	Blue Plan boundaries (Planning: MHW; Management: landward boundary set at the 10-ft. bathymetric contour). (Table 2, Option 2)	Study area includes coastal watershed boundaries; planning/management area set at MHW. (Table 2, Option 4)
Vision, Principles, Goals and Objectives	States independently set goals and objectives. (Table 3, Option 1)	Shared vision statement; independent state goals and objectives developed through bi-state coordination. (Table 3, Option 2)	Fully coordinated vision, principles goals and measurable objectives. (Table 3, Option 3)	Fully coordinated vision, principles goals and measurable objectives. (Table 3, Option 3)
Plan Preparation Timeline and Milestones	Moderate (24-30 months). (Table 5, Option 2)	Long (36-48 months). (Table 5, Option 3)	Extended (60+ months). (Table 5, Option 4)	Extended (60+ months). (Table 5, Option 4)
Stakeholder Engagement Structure	Facilitated Through Existing Structures. (Table 6, Option 1)	Blue Plan Advisory Committee and NY equivalent facilitate rigorous engagement. (Table 6, Option 3)	NY and CT facilitate rigorous engagement including informal bi-state stakeholder group. (Table 6, Option 4)	Formal Bi-State Stakeholder Advisory Council and Stakeholder Working Groups. (Table 6, Option 5)
Team and Advisors	Core Team (state agencies, university and advisors). (Table 7, Option 1)	Core Team (state agencies, university and advisors). (Table 7, Option 1)	Core Team, Stakeholder Advisory Group and topic-specific technical advisory groups. (Table 7, Option 3)	Core Team, Stakeholder Advisory Group and Science Advisory Group. (Table 7, Option 4)
Data Sharing	NY Gateway LIS Focus Area Populated. (Table 8, Option 2)	NY Gateway LIS Focus Area built out in support of LIS MSP. (Table 8, Option 3)	NY Gateway LIS Focus Area built out in support of LIS MSP. (Table 8, Option 3)	NY Gateway LIS Focus Area built out to support all LIS MSP functions including education and stakeholder outreach. (Table 8, Option 4)
Approach to Ecological/Human Use Characterization	Comprehensive characterization of ecological resources/human uses. (Table 9, Option 2 and Table 10, Option 2)	Focused identification of important ecological and human use areas. (Table 9, Option 4 and Table 10, Option 4)	Focused identification of important ecological and human use areas. (Table 9, Option 4 and Table 10, Option 4)	Comprehensive identification of important ecological and human use areas. (Table 9, Option 5 and Table 10, Option 5)
Approach to Future	Narrow focus on one future use. (Table 11, Option 1)	Targeted focus on a few key future uses and issues. (Table 11, Option 2)	Targeted focus on a few key future uses and issues. (Table 11, Option 2)	Comprehensive future use scenarios. (Table 11, Option 3)
Use of Decision Support Tools	Data and information and thematic maps. (Table 12, Option 2)	Data and information, thematic maps and limited conflict/compatibility analysis. (Table 12, Option 3)	Data and information, thematic maps and comprehensive conflict/compatibility analysis. (Table 12, Option 4)	Data and information, thematic maps, conflict/compatibility analysis and interactive web-based decision support tool. (Table 12, Option 5)
Planning/Policy Options	Recommended use of Data/Information and Thematic Maps. (Table 13, Option 1)	Important Ecological/Human Use Areas Managed Through Performance Standards. (Table 13, Option 3)	Combination of Important Ecological/Human Use Areas Managed Through Performance Standards and Preferred/Priority Use Areas. (Table 13, Option 6)	Combination of Important Human Use/Ecologically Important Areas and Preferred/Priority Use Areas plus general prohibition on selected set of new, non-traditional, non-water dependent development. (Table 13, Option 7)
Monitoring and Evaluation	Informal/Ongoing Monitoring and Evaluation. (Table 14, Option 1)	Regular 5-Year Review/Updates. (Table 14, Option 2)	Post-Plan Evaluation plus Regular 5-Year Review/Updates. (Table 14, Option 3)	Comprehensive Performance Monitoring and Evaluation Process. (Table 14, Option 4)

Interim Framework Report

Summary & How to Use the Report:

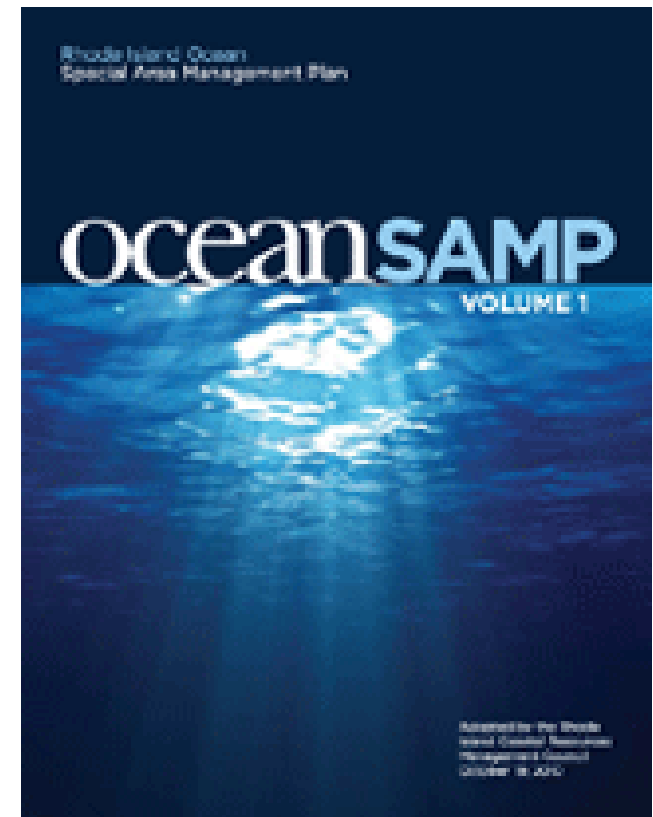
- **Guide, a reference**, not vacation reading
- **User friendly:** Tables summarize options
- **Multiple tables** for element options
- **Summary Table A** - the **four scenarios**
- Report **integrates Blue Plan**

Table 10. Range of Options: Approaches to Human Use Content

Option 1.	<p>Focused characterization of select key human uses</p> <p>CT and NY develop a characterization of select key human uses in the Sound. Characterization is a written narrative, based on scientific and technical literature, accompanied by thematic maps. This characterization could comprise the “LIS Resource and Use Inventory” described in the Blue Plan. The benefit of this approach would be developing one authoritative document summarizing scientific information focused on important LIS uses and issues.</p>
Option 2.	<p>Comprehensive characterization of human uses</p> <p>CT and NY develop a comprehensive characterization encompassing all human uses in the Sound. Characterization is a written narrative, based on scientific and technical literature, accompanied by thematic maps. This characterization could comprise the “LIS Resource and Use Inventory” described in the Blue Plan. The benefit of this approach would be developing one authoritative, comprehensive document summarizing the best available existing human use information about LIS.</p>
Option 3.	<p>Comprehensive human use assessment</p> <p>CT and NY further develop a human use assessment based on a comprehensive characterization (Option 2). The assessment builds upon the written narrative and maps described (Option 2) and identifies key human use insights, long-term trends, data gaps and research needs, issues meriting priority attention, and areas of conflict or compatibility. This assessment could build upon the “LIS Resource and Use Inventory” described in the Blue Plan. The benefit of this approach would be developing one authoritative, comprehensive document summarizing the best available existing information and shaping research needs and priorities moving forward. This process would be guided by input from stakeholders and scientific advisors.</p>
Option 4.	<p>Focused identification of some important human use areas</p> <p>In addition to Option 3 (comprehensive assessment including maps), CT and NY identify some important human use areas in the Sound. Focused analysis can address specific priorities (e.g. recreational boating). This employs the approach used by the MA Ocean Management Plan. Method of identifying important areas will vary according to the human use being assessed and would be shaped by available budget and guided by input from stakeholders and scientific advisors.</p>
Option 5.	<p>Comprehensive identification of important human use areas</p> <p>In addition to Option 3 (comprehensive assessment including maps), CT and NY conduct a comprehensive assessment whose purpose is to identify important human use areas within the Sound. This would employ the approach used by the RI Ocean SAMP. Methods of identifying important areas will vary according to the human use being assessed, would be shaped by available budget and guided by input from stakeholders and scientific advisors.</p>

Additional Background Information

- Invitation references
- Reports discussed
- **Ocean Frontiers films** – several versions
- **Ocean SAMP:** Managing Ocean Resources Through Coastal & Marine Spatial Planning (2013)



Bi-State Working Group: The Future

- Provide additional capacity for the Blue Plan Advisory Committee
- Aid in coordination and communications with New York State



